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EXAMINER	
ABRISHAMKAR, KAVEH	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/582,062	MUIJEN, MARINUS CAROLUS MATHIJS	
	Examiner	Art Unit	
	KAVEH ABRISHAMKAR	2431	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *08 June 2006*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-23* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-23* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1. This action is in response to the communication filed on June 8, 2006. Claims 1-23 were originally received for consideration. No preliminary amendments for the claims were received.

2. Claims 1-23 are currently pending consideration.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-16, and 18-23 are rejected under 35 U.S.C. 102(b) as being anticipated by Kamperman (U.S. Patent 5,991,400).

Regarding claim 1, Kamperman discloses:

A video signal distribution system, the system comprising

a video stream source (10) arranged to generate a video stream and transmit the video stream to a medium (14), the video stream source (10) being arranged to include, in the data stream, an encrypted video signal, control word information for decrypting the video signal and fee information indicative of fees for viewing respective parts of the video signal (column 3, lines 11-36: *television broadcast in scrambled form sent along with control words, and access control information*);

a plurality of video reproduction apparatuses (12) coupled to the medium (14), each of the video reproduction apparatuses (12) comprising

a control word derivation unit (125) with an input coupled to the medium (14) and a control word output, and arranged to supply control words derived from the control word information (column 4, lines 33-43);

a video signal decryption device (121) having a video input coupled to the medium (14) and a control word input coupled to the control word output, and arranged to decrypt the video information using the control words (column 5, lines 18-30);

a credit management unit comprising a credit memory (128), and arranged to provide enabling control information to enable or disable supply of the control words, dependent on whether the credit memory (128) indicates the availability of more than a threshold amount of credit, and to reduce the amount of credit in the credit memory (128) according to the fee information for the part of the video signal for the decoding of which the control words are supplied (column 9, lines 6-26).

Claim 2 is rejected as applied above in rejecting claim 1. Furthermore, Kamperman discloses:

A video signal distribution system according to claim 1, wherein the control word derivation unit (125) of each of the video reproduction apparatuses (12) has access to secret information in the video reproduction apparatus concerned, wherein the video stream source (10) is arranged to insert key information in the stream accessibly for all of said video reproduction apparatuses simultaneously, the control word derivation unit

(125) in each video reproduction apparatus (12) being arranged to generate control word decryption keys from said part of the key information and the secret information, and to use the control word decryption keys to decrypt the control words (column 4, lines 33-43).

Claim 3 is rejected as applied above in rejecting claim 2. Furthermore, Kamperman discloses:

A video signal distribution system according to claim 2, wherein the video stream source (10) is arranged to insert encryption control messages (ECM's) in the data stream among the encrypted video signal, at least part of the encryption control messages (ECM's) containing both an encrypted control word and the key information (column 4, lines 44-54).

Claim 4 is rejected as applied above in rejecting claim 3. Furthermore, Kamperman discloses:

A video signal distribution system according to claim 3, wherein the key information that is comprised in particular ones of the encryption control messages (ECM's), together with the secret information serves to decrypt the encrypted control word information in the particular ones of the encryption control messages (column 5, lines 18-30).

Claim 5 is rejected as applied above in rejecting claim 2. Furthermore, Kamperman discloses:

A video signal distribution system according to claim 2, wherein the stream contains encryption control messages (ECM's) that include a respective one of the encrypted control words and at least part of the fee information, the control word derivation unit (125) being arranged to reduce the amount of credit according to the fee information in a respective one of the encryption control messages (ECM's) in conjunction with supplying a control word decrypted from the respective one of the encryption control messages (ECM's) (column 4, lines 44-54, column 9, lines 6-16).

Claim 6 is rejected as applied above in rejecting claim 1. Furthermore, Kamperman discloses:

A video signal distribution system according to claim 1, wherein the control word derivation unit (125) and the credit management unit (128) are contained in an access control device (124) that is detachably coupled to the video signal decryption device (121), so that the credit information is retained in the access control device (124) when the access control device (124) is detached from the video signal decryption device (121) (column 5, lines 25-30).

Claim 7 is rejected as applied above in rejecting claim 1. Furthermore, Kamperman discloses:

A video signal distribution system according to claim 1, wherein the access control device (124) is a smart card (column 5, lines 25-30).

Regarding claim 8, Kamperman discloses:

A video signal reproduction apparatus (12), the apparatus comprising

a reception input (120) for receiving a data stream that contains an encrypted video signal, control word information for decrypting the video signal and fee information indicative of fees for viewing respective parts of the video signal (column 5, lines 18-30);

a control word derivation unit (125) having an input coupled to the reception input (120) and a control word output, and arranged to supply control words derived from the control word information (column 4, lines 33-43);

a video signal decryption device (121) having a video input coupled to the reception input (120) and a control word input coupled to the control word output, and arranged to decrypt the video information using the control words (column 5, lines 18-30);

a credit management unit comprising a credit memory (128), and arranged to provide enabling control information to enable or disable supply of the control words, dependent on whether the credit memory (128) indicates the availability of more than a threshold amount of credit, and to reduce the amount of credit in the credit memory (128) according to the fee information for the part of the video signal for the decoding of which the control words are supplied (column 9, lines 6-26).

Claim 9 is rejected as applied above in rejecting claim 8. Furthermore, Kamperman discloses:

A video signal reproduction apparatus according to claim 8, wherein the stream contains encryption control messages (ECM's), at least part of the encryption control messages (ECM's) containing both an encrypted control word and key information, the control word derivation unit (125) being arranged to determine a derived key from key information in a particular one of the encryption control message (ECM's) and secret information in the video signal reproduction apparatus and to decrypt the encrypted control word from that particular one of the encryption control messages (ECM's) with the derived key (column 4, lines 33-43).

Claim 10 is rejected as applied above in rejecting claim 8. Furthermore, Kamperman discloses:

A video signal reproduction apparatus according to claim 8, wherein the stream contains encryption control messages (ECM's) that include a respective one of the encrypted control words and a part of the fee information, the control word derivation unit (125) being arranged to reduce the amount of credit according to the part of the fee information in a particular one of the encryption control messages (ECM's) when the control word from that particular one of the encryption control messages (ECM's) is used to decrypt video information (column 4, lines 44-54, column 9, lines 6-16).

Claim 11 is rejected as applied above in rejecting claim 10. Furthermore, Kamperman discloses:

A video signal reproduction apparatus according to claim 10, wherein the control word derivation unit (125) is arranged to authenticate the encryption control messages using authentication information derived using secret information local to a secure device (124) that contains the control word derivation unit (125) and key information included in the encryption control messages (ECM's) (column 4, lines 33-43).

Claim 12 is rejected as applied above in rejecting claim 8. Furthermore, Kamperman discloses:

A video signal reproduction apparatus according to claim 8, wherein the control word derivation unit (125) has available a plurality of items of secret information, the stream containing item selection information, the control word derivation unit (125) being arranged to generate the derived keys from the key information, using the key information and a particular one of the items of secret information that is selected under control of the item selection information, the derived keys being used to decrypt the encrypted control words (column 4, lines 33-43).

Claim 13 is rejected as applied above in rejecting claim 8. Furthermore, Kamperman discloses:

A video signal reproduction apparatus according to claim 8, wherein the control word derivation unit (125) and the credit management unit are contained in an access

control device (124) that is detachably coupled to the reception input and the video signal decryption device (column 5, lines 25-30).

Claim 14 is rejected as applied above in rejecting claim 13. Furthermore, Kamperman discloses:

A video signal reproduction apparatus according to claim 13, wherein the access control device (124) is a smart card (column 5, lines 25-30).

Claim 15 is rejected as applied above in rejecting claim 7. Furthermore, Kamperman discloses:

A video signal reproduction apparatus according to claim 7, comprising a sleep timer, the credit management unit being arranged to stop enabling supply of the control words and reducing the amount of credit when the sleep timer expires (column 9, liens 17-26).

Claim 16 is rejected as applied above in rejecting claim 15. Furthermore, Kamperman discloses:

A video signal reproduction apparatus according to claim 15, wherein the credit management unit (125) is arranged to compare a reduction of the amount of credit that has occurred in a predetermined time period with a threshold value and to stop enabling supply of the control words and reducing the amount of credit in said time period when the threshold value is exceeded (column 9, lines 17-26).

Claim 17 is rejected as applied above in rejecting claim 8. Furthermore, Kamperman discloses:

A video signal reproduction apparatus according to claim 8, having a user input for receiving password information, the credit management unit being arranged to enable supply of the control words and to reduce the amount of credit conditional upon input of a predetermined password at the user input (column 5, lines 18-30).

Claim 18 is rejected as applied above in rejecting claim 8. Furthermore, Kamperman discloses:

A video signal reproduction apparatus according to claim 8, wherein the credit management unit is arranged to execute a selectable one of a plurality of user selectable profiles that specify conditions for enabling supply of the control words and reduction the amount of credit (column 9, lines 6-16).

Claim 19 is rejected as applied above in rejecting claim 8. Furthermore, Kamperman discloses:

A video signal reproduction apparatus according to claim 8, comprising a receiver (120) arranged to extract the fee information from the data stream, a display device (122) coupled to the receiver and arranged to display information representing the extracted fee information, prior to enabling reduction of the credit information using

the fee information and/or during decryption of the video information associated with the fee information (column 9, lines 6-16).

Regarding claim 20, Kamperman discloses:

A method of reproducing a video signal the method comprising

receiving a data stream that contains an encrypted video signal, control word information for decrypting the video signal and fee information indicative of fees for viewing respective parts of the video signal (column 3, lines 11-36: *television broadcast in scrambled form sent along with control words, and access control information*);

using control words to decrypt the video information (column 5, lines 18-30);

using a smart card (124) (column 5, lines 25-30) to derive the control words from the control word information and to enable derivation (column 4, lines 33-43) and/or use of the control words for decrypting the video information when a credit memory (128) in the smart card (124) indicates the availability of more than a threshold amount of credit, and to reduce the amount of credit in the credit memory according to the fee information for the part of the video signal for the decoding of which the control words are supplied (column 9, lines 6-26).

Claim 21 is rejected as applied above in rejecting claim 20. Furthermore, Kamperman discloses:

A method according to claim 20, wherein the stream contains encryption control messages (ECM's), at least part of the encryption control messages (ECM's) containing

both an encrypted control word and key information, the method comprising determining, in the smart card (124), a derived key from key information in a particular one of the encryption control messages (ECM's) and secret information in the smart card (124) and to decrypt the encrypted control word from that particular one of the encryption control messages (ECM's) with the derived key (column 4, lines 44-54).

Regarding claim 22, Kamperman discloses:

A video stream source apparatus (10), comprising

a video signal encryption unit (102), for encrypting a video signal for decryption with control words and including the encrypted video signal in a data stream; (column 5, lines 18-30);

an encryption control message generator (104), for generating encryption control messages (ECM's) in the data stream, at least part of the encryption control messages (ECM's) comprising both an encrypted control word, key information needed to decrypt the encrypted control words and fee information indicative of a fee for using the encryption control message (ECM) (column 4, lines 33-54).

Regarding claim 23, Kamperman discloses:

A method of distributing a video signal, the method comprising

generating a data stream that contains an encrypted video signal (column 3, lines 11-36: *television broadcast in scrambled form sent along with control words, and access control information*);

including encryption control messages (ECM's) in the stream and inserting in at least part of the encryption control messages (ECM's) both an encrypted control word and key information needed to decrypt the encrypted control words (column 4, lines 44-54);

including fee information indicative of fees for using the encryption control messages (column 3, lines 11-35).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KAVEH ABRISHAMKAR whose telephone number is (571)272-3786. The examiner can normally be reached on Monday thru Friday 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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